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measuring means for measuring telecentricity of said projection optical system with respect to different image heights; and

adjusting means for adjusting an incidence angle, upon the reticle, of illumination light corresponding to each of the different image heights, to correct the telecentricity with respect to a respective image height.

10. (New) An apparatus according to Claim 9, wherein said adjusting means moves an optical element in a portion of said illumination optical system along an optical axis direction, to thereby change an angular distribution of illumination light, entering said projection optical system.

11. (New) An apparatus according to Claim 10, wherein said illumination optical system includes an optical integrator for producing secondary light sources with illumination light supplied from the light source, and masking means for restricting an illumination range to be defined on a surface which is to be illuminated with the illumination light, and wherein said optical element is disposed between said optical integrator and said masking means.

12. (New) An apparatus according to Claim 9, wherein said measuring means also measures telecentricity of said projection optical system with respect to an optical axis, and said apparatus further comprises second adjusting means for adjusting an incidence angle of light upon the reticle to correct the telecentricity with respect to the optical axis.

13. (New) An apparatus according to Claim 12, wherein said second adjusting means adjusts the incidence angle of the light upon the reticle, by at least one of (i) tilting at least one optical element of said illumination optical system, (ii) moving the at least one optical element in a direction perpendicular to the optical axis, and (iii) inserting or retracting the at least one optical element into or from a light path.

14. (New) An apparatus according to Claim 13, wherein said illumination optical system includes an optical integrator for producing secondary light sources with illumination light supplied from the light source, and wherein said optical element is disposed at a light entrance side of said optical integrator.